



Mist-Trol® 100

DEPOSITION-COVERAGE AID AND DRIFT RETARDANT

ACTIVE INGREDIENTS:

Polyvinyl Polymer (polyacrylamide)	1%
Constituents ineffective as a spray adjuvant	99%
TOTAL	100%

All ingredients are exempt from tolerance requirements under 40 CFR 180.

KEEP OUT OF REACH OF CHILDREN CAUTION

Stop -before using this product obtain all related information and read directions for use, conditions of sale, limitations, liabilities and practical treatments.

USE PRECAUTIONS - The degree of drift hazard varies with the type of pesticide, application conditions, and vegetation near the sprayed area. Consult your local agricultural advisor. Remember, pesticide drift is no accident. Common sense and sound application technology must be followed when spraying pesticides. **MIST-TROL 100** will retard, but not totally eliminate drift. May cause irritation to skin and eyes.

FIRST AID

Call a poison control center or doctor immediately for treatment advice.

If Swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

GENERAL INFORMATION

Mist-Trol® 100 is an effective, easy-to-use adjuvant for deposition improvement and drift retardation in spraying operations. **Mist-Trol® 100** is compatible with most water soluble, wettable powder and dry flowable pesticides when applied by aerial application or standard ground equipment.

DIRECTIONS FOR USE

Select correct dosage from chart below.

- Fill mix tank with water, and pesticide. Begin to agitate.
 - Add **Mist-Trol® 100**.
 - If additional surfactant or other spray adjuvants are used, they may be added after **Mist-Trol® 100**.
 - Continue to agitate mix tank for at least 2 minutes before spraying.
 - Follow all cleanup precautions on label of pesticide used
- Follow governmental procedures for disposal of pesticide spray solution.

DOSAGE CHART

Application/ Spray Pressure	Nozzle Orientation	Quantity of Mist-Trol 100, per 100 gls mixture
Air, below 45 psi	Straight back	2-4 quarts
	45° angled back	3-5 quarts
Ground, below 30 psi	Flat fan, flood	1-3 quarts
	Off-Center	2-3 quarts
Ground, 30-35 psi	Flat fan, flood	2-3 quarts
	Off-Center	3-4 quarts
	Spray Guns	3-5 quarts
Ground, 50-150 psi	Spray Guns	3-10 quarts

After use, flush and rinse spray system. Follow clean-up instructions on the pesticide label.

WARRANTY

Townsend warrants that this product, when used as directed, is reasonably fit for use as designated on this label. Townsend makes no warranty of fitness or merchantability. Townsend's maximum liability for breach of this warranty shall not exceed the purchase price of this product. In no event shall Townsend be liable for indirect or consequential damages. This warranty shall not be changed by oral or written agreement unless signed by a duly authorized officer of Townsend.

*Mist-Trol is a registered trademark of Townsend.



Manufactured For:

TOWNSEND CHEMICAL DIVISION
SELMA, INDIANA 47383

TOWNSEND CHEMICAL DIVISION

IN CASE OF EMERGENCY CALL
INFOTRAC: 1-800-535-5053

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

TRADEMARK: MIST-TROL® 100
SYNONYMS: Polyvinyl Polymer
CHEMICAL FAMILY: Anionic Polyacrylamide Solution

2. HAZARDOUS INGREDIENTS

OSHA REGULATED COMPONENT	CAS. NO.	%	TWA/CEILING	REFERENCE
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No Permissible Exposure Limits (TLV) have been established by ACGIH or OSHA.

3. EFFECTS OF OVEREXPOSURE:

Primary active component of this product has an acute oral (rat) LD50 and an acute dermal (rabbit) LD50 of greater than 2.5 g/kg and greater than 10 g/kg, respectively. This product produced no eye irritation and no dermal irritation during primary irritation tests in rabbits.

4. EMERGENCY FIRST AID

Call a poison control center or doctor immediately for treatment advice.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

5. REACTIVITY DATA

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

POLYMERIZATION: Will Not Occur.

CONDITIONS TO AVOID: None known.

INCOMPATIBLE MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide and/or oxides of N.

6. PHYSICAL PROPERTIES

APPEARANCE:	Clear to slightly hazy, viscous Liquid
ODOR:	Mild Odor
SPECIFIC GRAVITY:	1.00 (+/-0.05)
pH:	6.0-8.0
SOLUBILITY IN WATER:	Dispersible

7. NFPA HAZARD RATING (National Fire Protection Association)

FIRE: 1 HEALTH: 0 REACTIVITY: 0 SPECIAL: -

FIRE:	Materials that must be preheated before ignition can occur.
HEALTH:	Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material. No hazard beyond that of ordinary combustible material.
REACTIVITY:	Materials which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	>200°F
FLAMMABLE LIMITS (%by vol.):	Not Applicable.
AUTOIGNITION TEMP:	Not Available.
DECOMPOSITION TEMP:	Not Available.
FIRE FIGHTING:	Use water, carbon dioxide or dry chemical to extinguish fires. Wear self-contained, positive pressure breathing apparatus.

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:	Protect from freezing. Store at temperatures between 45°F and 90°F. Keep in original container tightly closed. Do not reuse empty container. Disposal must be made in accordance with applicable governmental regulations. To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.
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10. SPECIAL PROTECTION INFORMATION

Engineering controls are not usually necessary, if good hygiene practices are strictly followed. Before eating, drinking or smoking, wash face and hands thoroughly with soap and water. Wear impervious gloves to prevent skin contact. For operations where eye or face contact can occur, wear chemical splash proof goggles.

11. SPILL OR LEAK PROCEDURES

WARNING IMPORTANT! SPILLS OF THIS PRODUCT ARE VERY SLIPPERY. Scoop up spills and place in a waste disposal container. Flush the area thoroughly with water and scrub to remove residue. If slipperiness remains, apply more dry-sweeping compound. Do not flush large quantities of the material to sewer.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

Sara Regulated Compounds	Section	CAS NO.	Percent
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None Known

The recommendation for safe handling and protection procedures are believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

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